Soil Descriptions - Non Technical

---

7A--Hubbard Loamy Sand, 0 To 2 Percent Slopes

Component Description

Hubbard and similar soils
Extent: 95 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 3.8 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
H1--0 to 16 inches; loamy sand
H2--16 to 38 inches; sand
H3--38 to 60 inches; coarse sand

7B--Hubbard Loamy Sand, 2 To 6 Percent Slopes

Component Description

Hubbard and similar soils
Extent: 95 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 3.7 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
H1--0 to 14 inches; loamy sand
H2--14 to 36 inches; sand
H3--36 to 60 inches; coarse sand

12E--Emmert Gravelly Coarse Sandy Loam, 6 To 25 Percent Slopes

Component Description

Emmert and similar soils
Extent: 95 percent of the unit
Slope range: 6 to 25 percent
Surface layer texture: Gravelly coarse sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year

Ponding: None
Available water capacity to a depth of 60 inches: 2.3 inches
Content of organic matter in the upper 10 inches: 0.5 percent
Typical profile:
H1--0 to 5 inches; gravelly coarse sandy loam
H2--5 to 60 inches; very gravelly coarse sand

## 13--Adolph Silt Loam, 0 To 2 Percent Slopes

Component Description

Adolph and similar soils
Extent: 90 percent of the unit
Geomorphic description:
Flat
Slope range: 0 to 2 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February August September
Ponding: None
Available water capacity to a depth of 60 inches: 7.7 inches
Content of organic matter in the upper 10 inches: 5.0 percent
Typical profile:
H1--0 to 9 inches; silt loam
H2--9 to 12 inches; silt loam
H3--12 to 30 inches; very fine sandy loam
H4--30 to 44 inches; sandy loam
H5--44 to 60 inches; sandy loam

## 14--Adolph Silt Loam, Depressional, 0 To 1 Percent Slopes

Component Description

Adolph, depressional and similar soils
Extent: 90 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April May June November
Wet soil moisture status is lowest (depth, months):
2.0 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
0.5 foot March April May June July August September October November
Available water capacity to a depth of 60 inches: 8.0 inches
Content of organic matter in the upper 10 inches: 6.0 percent
Typical profile:

H1--0 to 5 inches; silt loam
H2--5 to 14 inches; silt loam
H3--14 to 31 inches; very fine sandy loam
H4--31 to 45 inches; sandy loam
H5--45 to 60 inches; sandy loam

38B--Waukon Fine Sandy Loam, 2 To 6 Percent Slopes

Component Description

Waukon and similar soils
Extent: 95 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 9.9 inches
Content of organic matter in the upper 10 inches: 2.8 percent
Typical profile:
H1--0 to 8 inches; fine sandy loam
H2--8 to 43 inches; loam
H3--43 to 80 inches; loam

119C--Pomroy Loamy Fine Sand, 6 To 12 Percent Slopes

Component Description

Pomroy and similar soils
Extent: 90 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 5.0 feet January February March June July August September October December
Ponding: None
Available water capacity to a depth of 60 inches: 3.1 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; loamy fine sand
H2--6 to 22 inches; fine sand
H3--22 to 31 inches; sandy loam
H4--31 to 41 inches; sandy loam
H5--41 to 60 inches; sandy loam

142--Nokay Fine Sandy Loam, 0 To 2 Percent Slopes

Component Description

Nokay and similar soils
Extent: 90 percent of the unit

Slope range: 0 to 2 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March August September December
Ponding: None
Available water capacity to a depth of 60 inches: 4.6 inches
Content of organic matter in the upper 10 inches: 3.7 percent
Typical profile:
H1--0 to 7 inches; fine sandy loam
H2--7 to 16 inches; fine sandy loam
H3--16 to 22 inches; fine sandy loam
H4--22 to 40 inches; sandy loam
H5--40 to 60 inches; sandy loam

## 144B--Flak Sandy Loam, 3 To 6 Percent Slopes

Component Description

Flak and similar soils
Extent: 90 percent of the unit
Slope range: 3 to 6 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March June July August September October December
Ponding: None
Available water capacity to a depth of 60 inches: 5.0 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 7 inches; sandy loam
H2--7 to 14 inches; sandy loam
H3--14 to 29 inches; sandy loam
H4--29 to 42 inches; sandy loam
H5--42 to 60 inches; sandy loam

## 144C--Flak Sandy Loam, 6 To 12 Percent Slopes

Component Description

Flak and similar soils
Extent: 95 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Well drained
Flooding: None
Wet soil moisture status is highest (depth, months):

1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March June July August September October November December
Ponding: None
Available water capacity to a depth of 60 inches: 4.6 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 7 inches; sandy loam
H2--7 to 11 inches; sandy loam
H3--11 to 26 inches; sandy loam
H4--26 to 41 inches; sandy loam
H5--41 to 60 inches; sandy loam

147--Spooner Silt Loam, 0 To 2 Percent Slopes

Component Description

Spooner and similar soils
Extent: 95 percent of the unit
Geomorphic description:
Flat
Slope range: 0 to 2 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April
Wet soil moisture status is lowest (depth, months):
3.5 feet February
Ponding: None
Available water capacity to a depth of 60 inches: 12.0 inches
Content of organic matter in the upper 10 inches: 2.4 percent
Typical profile:
H1--0 to 7 inches; silt loam
H2--7 to 11 inches; silt loam
H3--11 to 26 inches; silty clay loam
H4--26 to 60 inches; silt loam

152B--Milaca Fine Sandy Loam, 3 To 6 Percent Slopes

Component Description

Milaca and similar soils
Extent: 90 percent of the unit
Slope range: 3 to 6 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March June July August September October December
Ponding: None
Available water capacity to a depth of 60 inches: 7.3 inches

Content of organic matter in the upper 10 inches: 2.1 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 10 inches; fine sandy loam
H3--10 to 45 inches; fine sandy loam
H4--45 to 80 inches; fine sandy loam

## 152C--Milaca Fine Sandy Loam, 6 To 12 Percent Slopes

Component Description

Milaca and similar soils
Extent: 95 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March June July August September October November December
Ponding: None
Available water capacity to a depth of 60 inches: 7.1 inches
Content of organic matter in the upper 10 inches: 1.6 percent
Typical profile:
H1--0 to 4 inches; fine sandy loam
H2--4 to 12 inches; fine sandy loam
H3--12 to 42 inches; fine sandy loam
H4--42 to 80 inches; fine sandy loam

## 152E--Milaca Fine Sandy Loam, 12 To 25 Percent Slopes

Component Description

Milaca and similar soils
Extent: 95 percent of the unit
Slope range: 12 to 25 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March June July August September October November December
Ponding: None
Available water capacity to a depth of 60 inches: 7.0 inches
Content of organic matter in the upper 10 inches: 1.5 percent
Typical profile:
H1--0 to 3 inches; fine sandy loam
H2--3 to 12 inches; fine sandy loam
H3--12 to 40 inches; fine sandy loam
H4--40 to 80 inches; fine sandy loam

## 161--Isanti Fine Sandy Loam, Depressional, 0 To 1 Percent Slopes

Component Description

Isanti, depressional and similar soils
Extent: 95 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April May June
Wet soil moisture status is lowest (depth, months):
1.5 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
1.0 foot March April May
Available water capacity to a depth of 60 inches: 5.3 inches
Content of organic matter in the upper 10 inches: 9.0 percent
Typical profile:
H1--0 to 11 inches; fine sandy loam
H2--11 to 28 inches; fine sand
H3--28 to 80 inches; fine sand

## 162--Lino Loamy Fine Sand, 0 To 2 Percent Slopes

Component Description

Lino and similar soils
Extent: 95 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.0 foot April
Wet soil moisture status is lowest (depth, months):
More than 5.0 feet January February March September October November December
Ponding: None
Available water capacity to a depth of 60 inches: 4.4 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 6 inches; loamy fine sand
H2--6 to 34 inches; fine sand
H3--34 to 60 inches; fine sand

## 163A--Brainerd Sandy Loam, 0 To 3 Percent Slopes

Component Description

Brainerd and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 3 percent
Surface layer texture: Sandy loam

Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March August September December
Ponding: None
Available water capacity to a depth of 60 inches: 5.4 inches
Content of organic matter in the upper 10 inches: 1.9 percent
Typical profile:
H1--0 to 8 inches; sandy loam
H2--8 to 20 inches; sandy loam
H3--20 to 28 inches; sandy loam
H4--28 to 46 inches; sandy loam
H5--46 to 60 inches; sandy loam

## 163B--Brainerd Sandy Loam, 3 To 5 Percent Slopes

### Component Description

Brainerd and similar soils
Extent: 90 percent of the unit
Slope range: 3 to 5 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March July August September December
Ponding: None
Available water capacity to a depth of 60 inches: 5.0 inches
Content of organic matter in the upper 10 inches: 1.9 percent
Typical profile:
H1--0 to 8 inches; sandy loam
H2--8 to 13 inches; sandy loam
H3--13 to 25 inches; sandy loam
H4--25 to 40 inches; sandy loam
H5--40 to 60 inches; sandy loam

## 164A--Mora Loam, 0 To 3 Percent Slopes

### Component Description

Mora and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 3 percent
Surface layer texture: Loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March August

September December
Ponding: None
Available water capacity to a depth of 60 inches: 6.7 inches
Content of organic matter in the upper 10 inches: 1.1 percent
Typical profile:
H1--0 to 4 inches; loam
H2--4 to 12 inches; fine sandy loam
H3--12 to 24 inches; fine sandy loam
H4--24 to 48 inches; fine sandy loam
H5--48 to 80 inches; fine sandy loam

## 164B--Mora Fine Sandy Loam, 3 To 5 Percent Slopes

Component Description

Mora and similar soils
Extent: 90 percent of the unit
Slope range: 3 to 5 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March July August September December
Ponding: None
Available water capacity to a depth of 60 inches: 6.3 inches
Content of organic matter in the upper 10 inches: 1.6 percent
Typical profile:
H1--0 to 4 inches; fine sandy loam
H2--4 to 11 inches; fine sandy loam
H3--11 to 23 inches; fine sandy loam
H4--23 to 40 inches; fine sandy loam
H5--40 to 80 inches; fine sandy loam

## 165--Parent Loam, 0 To 2 Percent Slopes

Component Description

Parent and similar soils
Extent: 90 percent of the unit
Geomorphic description:
Flat
Slope range: 0 to 2 percent
Surface layer texture: Loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February August September
Ponding: None
Available water capacity to a depth of 60 inches: 5.7 inches
Content of organic matter in the upper 10 inches: 5.5 percent
Typical profile:
H1--0 to 11 inches; loam

H2--11 to 28 inches; fine sandy loam
H3--28 to 40 inches; fine sandy loam
H4--40 to 60 inches; fine sandy loam

166--Ronneby Loam, 0 To 2 Percent Slopes

Component Description

Ronneby and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March August September December
Ponding: None
Available water capacity to a depth of 60 inches: 6.5 inches
Content of organic matter in the upper 10 inches: 3.0 percent
Typical profile:
H1--0 to 4 inches; loam
H2--4 to 12 inches; fine sandy loam
H3--12 to 33 inches; fine sandy loam
H4--33 to 45 inches; fine sandy loam
H5--45 to 60 inches; fine sandy loam

179A--Langola Loamy Fine Sand, 0 To 2 Percent Slopes

Component Description

Langola and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March July August September December
Ponding: None
Available water capacity to a depth of 60 inches: 4.7 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
H1--0 to 15 inches; loamy fine sand
H2--15 to 31 inches; loamy sand
H3--31 to 39 inches; sandy loam
H4--39 to 43 inches; sandy loam
H5--43 to 60 inches; sandy loam

179B--Langola Loamy Fine Sand, 2 To 6 Percent Slopes

Component Description

Langola and similar soils
Extent: 90 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March July August September December
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
H1--0 to 13 inches; loamy fine sand
H2--13 to 26 inches; loamy sand
H3--26 to 32 inches; sandy loam
H4--32 to 42 inches; sandy loam
H5--42 to 60 inches; sandy loam

217--Nokasippi Loamy Fine Sand, Depressional, 0 To 1 Percent Slopes

Component Description

Nokasippi, depressional and similar soils
Extent: 90 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April May June November
Wet soil moisture status is lowest (depth, months):
2.0 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
0.5 foot March April May June July August September October November
Available water capacity to a depth of 60 inches: 5.1 inches
Content of organic matter in the upper 10 inches: 5.5 percent
Typical profile:
H1--0 to 14 inches; loamy fine sand
H2--14 to 25 inches; fine sand
H3--25 to 38 inches; loam
H4--38 to 48 inches; sandy loam
H5--48 to 60 inches; sandy loam

218--Watab Loamy Fine Sand, 0 To 2 Percent Slopes

Component Description

Watab and similar soils
Extent: 90 percent of the unit

Geomorphic description:
Flat
Slope range: 0 to 2 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February August September
Ponding: None
Available water capacity to a depth of 60 inches: 4.1 inches
Content of organic matter in the upper 10 inches: 1.1 percent
Typical profile:
H1--0 to 8 inches; loamy fine sand
H2--8 to 23 inches; loamy fine sand
H3--23 to 33 inches; fine sandy loam
H4--33 to 45 inches; sandy loam
H5--45 to 60 inches; sandy loam

260--Duelm Loamy Sand, 0 To 2 Percent Slopes

Component Description

Duelm and similar soils
Extent: 95 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
2.5 feet April May
Wet soil moisture status is lowest (depth, months):
4.0 feet February August September
Ponding: None
Available water capacity to a depth of 60 inches: 5.2 inches
Content of organic matter in the upper 10 inches: 4.0 percent
Typical profile:
H1--0 to 10 inches; loamy sand
H2--10 to 52 inches; sand
H3--52 to 60 inches; sand

266--Freer Silt Loam, 0 To 2 Percent Slopes

Component Description

Freer and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):

More than 6.7 feet January February March August September December

Ponding: None
Available water capacity to a depth of 60 inches: 8.0 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 7 inches; silt loam
H2--7 to 12 inches; silt loam
H3--12 to 40 inches; silt loam
H4--40 to 60 inches; sandy loam

## 325--Prebish Fine Sandy Loam, Depressional, 0 To 1 Percent Slopes

Component Description

Prebish, depressional and similar soils
Extent: 90 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April May June November
Wet soil moisture status is lowest (depth, months):
2.0 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
0.5 foot March April May June July August September October November
Available water capacity to a depth of 60 inches: 7.5 inches
Content of organic matter in the upper 10 inches: 6.0 percent
Typical profile:
H1--0 to 16 inches; fine sandy loam
H2--16 to 46 inches; fine sandy loam
H3--46 to 60 inches; sandy loam

## 328A--Sartell Fine Sand, 0 To 2 Percent Slopes

Component Description

Sartell and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 4.7 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 7 inches; fine sand
H2--7 to 36 inches; fine sand
H3--36 to 60 inches; fine sand

328B--Sartell Fine Sand, 2 To 6 Percent Slopes

Component Description

Sartell and similar soils
Extent: 95 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 4.6 inches
Content of organic matter in the upper 10 inches: 0.7 percent
Typical profile:
H1--0 to 4 inches; fine sand
H2--4 to 33 inches; fine sand
H3--33 to 80 inches; fine sand

328C--Sartell Fine Sand, 6 To 12 Percent Slopes

Component Description

Sartell and similar soils
Extent: 95 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 4.5 inches
Content of organic matter in the upper 10 inches: 0.8 percent
Typical profile:
H1--0 to 5 inches; fine sand
H2--5 to 25 inches; fine sand
H3--25 to 60 inches; fine sand

328E--Sartell Fine Sand, 12 To 25 Percent Slopes

Component Description

Sartell and similar soils
Extent: 95 percent of the unit
Slope range: 12 to 25 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 4.5 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 3 inches; fine sand
H2--3 to 26 inches; fine sand

H3--26 to 60 inches; fine sand

337--Warman Loam, Depressional, 0 To 1 Percent Slopes

Component Description

Warman, depressional and similar soils
Extent: 95 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April May June November
Wet soil moisture status is lowest (depth, months):
2.0 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
0.5 foot March April May June July August September October November
Available water capacity to a depth of 60 inches: 8.0 inches
Content of organic matter in the upper 10 inches: 13.5 percent
Typical profile:
H1--0 to 16 inches; loam
H2--16 to 34 inches; fine sandy loam
H3--34 to 60 inches; gravelly coarse sand

445B--Braham Loamy Fine Sand, Lacustrine Substratum, 2 To 6 Percent Slopes

Component Description

Braham, lacustrine substratum and similar soils
Extent: 90 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 8.6 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 9 inches; loamy fine sand
H2--9 to 28 inches; fine sand
H3--28 to 44 inches; silty clay loam
H4--44 to 60 inches; silt loam

464A--Brennyville Silt Loam, 1 To 3 Percent Slopes

Component Description

Brennyville and similar soils
Extent: 90 percent of the unit
Slope range: 1 to 3 percent

Surface layer texture: Silt loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March August September December
Ponding: None
Available water capacity to a depth of 60 inches: 6.7 inches
Content of organic matter in the upper 10 inches: 1.8 percent
Typical profile:
H1--0 to 4 inches; silt loam
H2--4 to 14 inches; silt loam
H3--14 to 21 inches; silt loam
H4--21 to 30 inches; fine sandy loam
H5--30 to 39 inches; sandy loam
H6--39 to 60 inches; sandy loam

## 464B--Brennyville Silt Loam, 3 To 6 Percent Slopes

Component Description

Brennyville and similar soils
Extent: 90 percent of the unit
Slope range: 3 to 6 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March July August September December
Ponding: None
Available water capacity to a depth of 60 inches: 6.1 inches
Content of organic matter in the upper 10 inches: 2.2 percent
Typical profile:
H1--0 to 8 inches; silt loam
H2--8 to 16 inches; silt loam
H3--16 to 28 inches; fine sandy loam
H4--28 to 36 inches; sandy loam
H5--36 to 60 inches; sandy loam

## 466--Ogilvie Silt Loam, 0 To 2 Percent Slopes

Component Description

Ogilvie and similar soils
Extent: 95 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.0 foot April

Wet soil moisture status is lowest (depth, months):
More than 5.0 feet January February March September October November December
Ponding: None
Available water capacity to a depth of 60 inches: 7.3 inches
Content of organic matter in the upper 10 inches: 2.3 percent
Typical profile:
H1--0 to 8 inches; silt loam
H2--8 to 18 inches; silt loam
H3--18 to 31 inches; loam
H4--31 to 60 inches; gravelly sand

## 540--Seelyeville Muck, 0 To 1 Percent Slopes

Component Description

Seelyeville and similar soils
Extent: 85 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Muck
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April May June
Wet soil moisture status is lowest (depth, months):
1.5 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
1.0 foot March April May
Available water capacity to a depth of 60 inches: 23.9 inches
Content of organic matter in the upper 10 inches: 62.0 percent
Typical profile:
H1--0 to 13 inches; muck
H2--13 to 60 inches; muck

## 543--Markey Muck, 0 To 1 Percent Slopes

Component Description

Markey and similar soils
Extent: 90 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Muck
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April May June
Wet soil moisture status is lowest (depth, months):
1.5 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
1.0 foot March April May

Available water capacity to a depth of 60 inches: 10.7 inches
Content of organic matter in the upper 10 inches: 70.0 percent
Typical profile:
H1--0 to 21 inches; muck
H2--21 to 60 inches; sand

544--Cathro Muck, 0 To 1 Percent Slopes

Component Description

Cathro and similar soils
Extent: 85 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Muck
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April May June
Wet soil moisture status is lowest (depth, months):
1.5 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
1.0 foot March April May
Available water capacity to a depth of 60 inches: 18.7 inches
Content of organic matter in the upper 10 inches: 72.5 percent
Typical profile:
H1--0 to 26 inches; muck
H2--26 to 60 inches; sandy loam

567A--Verndale Sandy Loam, 0 To 2 Percent Slopes

Component Description

Verndale and similar soils
Extent: 95 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 5.3 inches
Content of organic matter in the upper 10 inches: 3.0 percent
Typical profile:
H1--0 to 11 inches; sandy loam
H2--11 to 22 inches; sandy loam
H3--22 to 36 inches; coarse sand
H4--36 to 60 inches; sand

623A--Pierz Sandy Loam, 0 To 2 Percent Slopes

Component Description

Pierz and similar soils

Extent: 95 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 4.9 inches
Content of organic matter in the upper 10 inches: 3.0 percent
Typical profile:
H1--0 to 10 inches; sandy loam
H2--10 to 23 inches; sandy loam
H3--23 to 60 inches; gravelly coarse sand

676A--Kost Loamy Fine Sand, 0 To 2 Percent Slopes

Component Description

Kost and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 4.6 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
H1--0 to 16 inches; loamy fine sand
H2--16 to 34 inches; fine sand
H3--34 to 60 inches; fine sand

676B--Kost Loamy Fine Sand, 2 To 6 Percent Slopes

Component Description

Kost and similar soils
Extent: 95 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 4.5 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
H1--0 to 14 inches; loamy fine sand
H2--14 to 33 inches; fine sand
H3--33 to 60 inches; fine sand

682B--Milaca Fine Sandy Loam, 3 To 6 Percent Slopes, Very Stony

Component Description

Milaca, very stony and similar soils
Extent: 90 percent of the unit
Slope range: 3 to 6 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March June July August September October December
Ponding: None
Available water capacity to a depth of 60 inches: 5.8 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 19 inches; fine sandy loam
H3--19 to 28 inches; fine sandy loam
H4--28 to 45 inches; fine sandy loam
H5--45 to 60 inches; sandy loam

## 717A--Novak Silt Loam, 0 To 2 Percent Slopes

Component Description

Novak and similar soils
Extent: 95 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 7.3 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
H1--0 to 8 inches; silt loam
H2--8 to 19 inches; silt loam
H3--19 to 28 inches; silt loam
H4--28 to 32 inches; sandy loam
H5--32 to 60 inches; gravelly coarse sand

## 717B--Novak Silt Loam, 2 To 6 Percent Slopes

Component Description

Novak and similar soils
Extent: 95 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None

Available water capacity to a depth of 60 inches: 6.3 inches
Content of organic matter in the upper 10 inches: 2.4 percent
Typical profile:
H1--0 to 7 inches; silt loam
H2--7 to 17 inches; silt loam
H3--17 to 23 inches; silt loam
H4--23 to 26 inches; sandy loam
H5--26 to 60 inches; gravelly coarse sand

722--Blomford Loamy Sand, Lacustrine Substratum, 0 To 2 Percent Slopes

Component Description

Blomford, lacustrine substratum and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April
Wet soil moisture status is lowest (depth, months):
3.5 feet February
Ponding: None
Available water capacity to a depth of 60 inches: 8.3 inches
Content of organic matter in the upper 10 inches: 2.4 percent
Typical profile:
H1--0 to 9 inches; loamy sand
H2--9 to 30 inches; loamy sand
H3--30 to 40 inches; silty clay loam
H4--40 to 60 inches; silt loam

723--Freer Silt Loam, 0 To 2 Percent Slopes, Very Stony

Component Description

Freer, very stony and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March August September December
Ponding: None
Available water capacity to a depth of 60 inches: 8.0 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 7 inches; silt loam
H2--7 to 12 inches; silt loam
H3--12 to 40 inches; silt loam
H4--40 to 60 inches; fine sandy loam

725--Kratka Fine Sandy Loam, Stratified Substratum, 0 To 3 Percent Slopes

Component Description

Kratka, stratified substratum and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 3 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.0 foot April
Wet soil moisture status is lowest (depth, months):
More than 5.0 feet January February March September October November December
Ponding: None
Available water capacity to a depth of 60 inches: 8.1 inches
Content of organic matter in the upper 10 inches: 3.2 percent
Typical profile:
H1--0 to 9 inches; fine sandy loam
H2--9 to 27 inches; loamy fine sand
H3--27 to 80 inches; fine sandy loam

727B--Milaca Very Fine Sandy Loam, 3 To 6 Percent Slopes

Component Description

Milaca and similar soils
Extent: 90 percent of the unit
Slope range: 3 to 6 percent
Surface layer texture: Very fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March June July August September October December
Ponding: None
Available water capacity to a depth of 60 inches: 5.4 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; very fine sandy loam
H2--6 to 17 inches; very fine sandy loam
H3--17 to 25 inches; fine sandy loam
H4--25 to 43 inches; fine sandy loam
H5--43 to 60 inches; fine sandy loam

728B--Brennyville Silt Loam, 1 To 6 Percent Slopes, Very Stony

Component Description

Brennyville, very stony and similar soils
Extent: 90 percent of the unit
Slope range: 1 to 6 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Dense material: 40 to 60 inches

Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March July August September December
Ponding: None
Available water capacity to a depth of 60 inches: 6.1 inches
Content of organic matter in the upper 10 inches: 2.2 percent
Typical profile:
H1--0 to 8 inches; silt loam
H2--8 to 16 inches; silt loam
H3--16 to 28 inches; fine sandy loam
H4--28 to 36 inches; fine sandy loam
H5--36 to 60 inches; sandy loam

729--Warman Loam, 0 To 2 Percent Slopes

Component Description

Warman and similar soils
Extent: 95 percent of the unit
Geomorphic description:
Flat
Slope range: 0 to 2 percent
Surface layer texture: Loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April
Wet soil moisture status is lowest (depth, months):
3.5 feet February
Ponding: None
Available water capacity to a depth of 60 inches: 7.6 inches
Content of organic matter in the upper 10 inches: 13.5 percent
Typical profile:
H1--0 to 13 inches; loam
H2--13 to 31 inches; fine sandy loam
H3--31 to 60 inches; gravelly coarse sand

730A--Sanburn Fine Sandy Loam, 0 To 2 Percent Slopes

Component Description

Sanburn and similar soils
Extent: 85 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 3.4 inches
Content of organic matter in the upper 10 inches: 1.5 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 12 inches; fine sandy loam

H3--12 to 21 inches; fine sandy loam
H4--21 to 60 inches; gravelly coarse sand

730B--Sanburn Fine Sandy Loam, 2 To 6 Percent Slopes

Component Description

Sanburn and similar soils
Extent: 85 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 3.3 inches
Content of organic matter in the upper 10 inches: 1.5 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 11 inches; fine sandy loam
H3--11 to 20 inches; fine sandy loam
H4--20 to 60 inches; gravelly coarse sand

730C--Sanburn Fine Sandy Loam, 6 To 12 Percent Slopes

Component Description

Sanburn and similar soils
Extent: 85 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 3.0 inches
Content of organic matter in the upper 10 inches: 1.5 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 12 inches; fine sandy loam
H3--12 to 16 inches; fine sandy loam
H4--16 to 60 inches; gravelly sand

732A--Bushville Fine Sand, 0 To 2 Percent Slopes

Component Description

Bushville and similar soils
Extent: 85 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April

Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March July August September December
Ponding: None
Available water capacity to a depth of 60 inches: 3.9 inches
Content of organic matter in the upper 10 inches: 0.8 percent
Typical profile:
H1--0 to 10 inches; fine sand
H2--10 to 24 inches; loamy fine sand
H3--24 to 30 inches; fine sandy loam
H4--30 to 42 inches; sandy loam
H5--42 to 60 inches; sandy loam

732B--Bushville Fine Sand, 2 To 6 Percent Slopes

Component Description

Bushville and similar soils
Extent: 85 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March July August September December
Ponding: None
Available water capacity to a depth of 60 inches: 3.8 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; fine sand
H2--6 to 24 inches; loamy fine sand
H3--24 to 30 inches; fine sandy loam
H4--30 to 40 inches; sandy loam
H5--40 to 60 inches; sandy loam

754--Prebish Fine Sandy Loam, Depressional, 0 To 1 Percent Slopes, Very Stony

Component Description

Prebish, very stony and similar soils
Extent: 90 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April May June November
Wet soil moisture status is lowest (depth, months):
2.0 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):

0.5 foot March April May June July August September October November
Available water capacity to a depth of 60 inches: 7.5 inches
Content of organic matter in the upper 10 inches: 6.0 percent
Typical profile:
H1--0 to 16 inches; fine sandy loam
H2--16 to 46 inches; fine sandy loam
H3--46 to 60 inches; sandy loam

## 756A--Dalbo Very Fine Sandy Loam, Silty Substratum, 0 To 2 Percent Slopes

Component Description

Dalbo, silty substratum and similar soils
Extent: 95 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Very fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.0 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February
Ponding: None
Available water capacity to a depth of 60 inches: 10.4 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
H1--0 to 12 inches; very fine sandy loam
H2--12 to 34 inches; silty clay loam
H3--34 to 60 inches; silt loam

## 756B--Dalbo Very Fine Sandy Loam, Silty Substratum, 2 To 6 Percent Slopes

Component Description

Dalbo, silty substratum and similar soils
Extent: 95 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Very fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
2.0 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March September October December
Ponding: None
Available water capacity to a depth of 60 inches: 11.0 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
H1--0 to 11 inches; very fine sandy loam
H2--11 to 25 inches; silty clay loam
H3--25 to 60 inches; silt loam

## 766--Kratka Loamy Fine Sand, Depressional, Stratified Substratum, 0 To 1 Percent Slopes

Component Description

Kratka, depressional and similar soils
Extent: 90 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April May June November
Wet soil moisture status is lowest (depth, months):
2.0 feet February
Ponding does not occur (months):
January February December
Ponding is deepest (depth, months):
0.5 foot March April May June July August September October November
Available water capacity to a depth of 60 inches: 7.1 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
H1--0 to 13 inches; loamy fine sand
H2--13 to 42 inches; loamy fine sand
H3--42 to 60 inches; stratified loamy very fine sand to silt loam

776B--Sanburn-Milaca Complex, 3 To 8 Percent Slopes

Component Description

Sanburn and similar soils
Extent: 60 percent of the unit
Slope range: 3 to 8 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Depth to wet soil moisture status: More than 6.7 feet all year
Ponding: None
Available water capacity to a depth of 60 inches: 3.3 inches
Content of organic matter in the upper 10 inches: 1.5 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 11 inches; fine sandy loam
H3--11 to 20 inches; fine sandy loam
H4--20 to 60 inches; gravelly sand

Milaca and similar soils
Extent: 25 percent of the unit
Slope range: 3 to 8 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March June July August September October

Ponding: None
Available water capacity to a depth of 60 inches: 5.7 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 19 inches; fine sandy loam
H3--19 to 28 inches; fine sandy loam
H4--28 to 40 inches; sandy loam
H5--40 to 60 inches; sandy loam

## 1013--Pits, Quarry

Component Description

Pits, quarry
Extent: 95 percent of the unit
Slope range: 0 to 50 percent
Depth to restrictive feature:
Bedrock (lithic): 0 to 4 inches
Flooding: None
Ponding: None

## 1015--Udipsamments, Cut And Fill Land

Component Description

Udipsamments and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 6 percent
Surface layer texture: Sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 0.2 percent
Typical profile:
H1--0 to 14 inches; sand
H2--14 to 60 inches; sand
H3--60 to 80 inches; coarse sand

## 1030--Pits, Gravel-Udipsamments Complex

Component Description

Pits, gravel
Extent: 45 percent of the unit
Slope range: 1 to 50 percent

Udipsamments and similar soils
Extent: 45 percent of the unit
Slope range: 1 to 50 percent
Surface layer texture: Sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches

Content of organic matter in the upper 10 inches: 0.2 percent
Typical profile:
H1--0 to 14 inches; sand
H2--14 to 60 inches; sand
H3--60 to 80 inches; coarse sand

1031--Seelyeville Muck, Ponded, 0 To 1 Percent Slopes

Component Description

Seelyeville, ponded and similar soils
Extent: 85 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Muck
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status: At the surface all year
Ponding is shallowest (depth, months):
0.5 foot August
Ponding is deepest (depth, months):
3.0 feet March April May
Available water capacity to a depth of 60 inches: 23.9 inches
Content of organic matter in the upper 10 inches: 62.0 percent
Typical profile:
H1--0 to 13 inches; muck
H2--13 to 60 inches; muck

1364--Rock Outcrop-Udipsamments Complex

Component Description

Rock outcrop
Extent: 70 percent of the unit
Slope range: 0 to 2 percent
Depth to restrictive feature:
Bedrock (lithic): 0 to 4 inches
Flooding: None
Ponding: None

Udipsamments and similar soils
Extent: 20 percent of the unit
Slope range: 0 to 6 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 0.2 percent
Typical profile:
H1--0 to 14 inches; loamy sand
H2--14 to 60 inches; sand
H3--60 to 80 inches; coarse sand

1946--Fordum-Winterfield Complex, 0 To 2 Percent Slopes, Frequently Flooded

Component Description

Fordum, frequently flooded and similar soils
Extent: 65 percent of the unit
Geomorphic description:
Flood plain
Slope range: 0 to 1 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding does not occur (months):
January February September October November December
Flooding is most likely (frequency, months):
Frequent March April May June
Wet soil moisture status is highest (depth, months):
At the surface April May June
Wet soil moisture status is lowest (depth, months):
1.8 feet February
Ponding: None
Available water capacity to a depth of 60 inches: 7.4 inches
Content of organic matter in the upper 10 inches: 7.1 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 36 inches; fine sandy loam
H3--36 to 60 inches; sand

Winterfield, frequently flooded and similar soils
Extent: 20 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat poorly drained
Flooding does not occur (months):
January February September October November December
Flooding is most likely (frequency, months):
Frequent March April
Wet soil moisture status is highest (depth, months):
1.5 feet April
Wet soil moisture status is lowest (depth, months):
4.5 feet September
Ponding: None
Available water capacity to a depth of 60 inches: 4.5 inches
Content of organic matter in the upper 10 inches: 2.4 percent
Typical profile:
H1--0 to 8 inches; loamy fine sand
H2--8 to 60 inches; loamy fine sand

1976B--Brainerd Sandy Loam, 0 To 5 Percent Slopes, Very Stony

Component Description

Brainerd, very stony and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 5 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April

Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March July August September December
Ponding: None
Available water capacity to a depth of 60 inches: 5.0 inches
Content of organic matter in the upper 10 inches: 1.9 percent
Typical profile:
H1--0 to 8 inches; sandy loam
H2--8 to 13 inches; sandy loam
H3--13 to 25 inches; sandy loam
H4--25 to 40 inches; sandy loam
H5--40 to 60 inches; sandy loam

1977--Mora Loam, 0 To 3 Percent Slopes, Very Stony

Component Description

Mora, very stony and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 3 percent
Surface layer texture: Loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March August September December
Ponding: None
Available water capacity to a depth of 60 inches: 5.4 inches
Content of organic matter in the upper 10 inches: 0.8 percent
Typical profile:
H1--0 to 4 inches; loam
H2--4 to 12 inches; fine sandy loam
H3--12 to 24 inches; fine sandy loam
H4--24 to 48 inches; fine sandy loam
H5--48 to 60 inches; fine sandy loam

1978--Nokay Fine Sandy Loam, 0 To 2 Percent Slopes, Very Stony

Component Description

Nokay, very stony and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March August September December
Ponding: None
Available water capacity to a depth of 60 inches: 4.6 inches
Content of organic matter in the upper 10 inches: 3.7 percent
Typical profile:
H1--0 to 7 inches; fine sandy loam

H2--7 to 16 inches; sandy loam
H3--16 to 22 inches; sandy loam
H4--22 to 40 inches; sandy loam
H5--40 to 60 inches; sandy loam

1979--Parent Loam, 0 To 1 Percent Slopes, Very Stony

Component Description

Parent, very stony and similar soils
Extent: 90 percent of the unit
Geomorphic description:
Flat
Slope range: 0 to 1 percent
Surface layer texture: Loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February August September
Ponding: None
Available water capacity to a depth of 60 inches: 5.5 inches
Content of organic matter in the upper 10 inches: 4.7 percent
Typical profile:
H1--0 to 7 inches; loam
H2--7 to 28 inches; fine sandy loam
H3--28 to 40 inches; fine sandy loam
H4--40 to 60 inches; fine sandy loam

1980--Ronneby Loam, 0 To 2 Percent Slopes, Very Stony

Component Description

Ronneby, very stony and similar soils
Extent: 90 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loam
Depth to restrictive feature:
Dense material: 40 to 60 inches
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot April
Wet soil moisture status is lowest (depth, months):
More than 6.7 feet January February March August September December
Ponding: None
Available water capacity to a depth of 60 inches: 6.5 inches
Content of organic matter in the upper 10 inches: 3.0 percent
Typical profile:
H1--0 to 4 inches; loam
H2--4 to 12 inches; fine sandy loam
H3--12 to 33 inches; fine sandy loam
H4--33 to 45 inches; fine sandy loam
H5--45 to 60 inches; fine sandy loam

W--Water

Component Description

Water
Extent: 100 percent of the unit